

Technical Group
Miscellaneous Technical Series

ELECTRONICS TECHNICIAN
01/81

Summary

Under immediate supervision as assigned performs a variety of electronic and electrical work in the installation, maintenance and repair of solid state, electro mechanical, digital, monitoring and auxiliary equipment and performs related work as required.

Typical Duties

As assigned installs, maintains, troubleshoots and repairs a variety of solid state electronic and/or electro/mechanical equipment such as sensing, transmitting, recording and timing equipment.

As assigned inspects, adjusts and repairs control equipment such as propeller meters, altitude valves, cathodic protectors, electric valves, switchgears, motor starters, air compressors, booster pumps and electric motors.

As assigned replaces damaged traffic controllers, signal heads, standards, mastarms and wiring.

Participates in all aspects of installation of electronic equipment and systems; as assigned installs and supplies aerial and underground multi-conductor interconnect cables.

Operates electronic testing equipment such as voltmeter, scopes, continuity testers and others; as assigned operates pick-up truck or trucks equipped with hydraulic ladders or platforms.

Minimum Qualifications

Training and Experience: Graduation from high school or equivalent and completion of one year of an electronic's technician training program in a recognized college or trade school and one year of practical work experience in electronics or an equivalent combination of training and experience.

Knowledge, Abilities and Skills: Good theoretical and practical knowledge of electronic circuits and components, some knowledge of electro mechanical equipment.

Ability to read and work from schematics and sketches; ability to follow oral and written instructions; ability to comply with safety practices and procedures; ability to perform work that requires good physical condition and dexterity, ability to work under adverse weather conditions; ability to establish and maintain effective working relationships with fellow employees and the general public; ability to prepare daily work reports.

Skill in the use and care of electronic testing equipment and hand tools of the trade; skill in the operation of a motor vehicle.

Licenses and Certificates: Certificate of Completion of Electronics Technician training; Texas Commercial license at time of appointment.

Director of Personnel

Department Head